CLAIMS

I Claim:

1. A lighting system for illuminating a large outdoor playing field, comprising:

a playing field;

a plurality of full cutoff illumination assemblies placed in predetermined locations about the playing field, each illumination assembly comprising a support and a full cutoff luminary coupled to the support;

each full cutoff luminary comprising

a lamp housing that encloses a lamp, the lamp housing having an open end,

a lamp lens mounted upon the open end of the lamp housing,

a reflector disposed between the lap and the lamp housing, and

a light-blocking shield coupled about the open end of the lamp

housing;

wherein each full cutoff luminary achieves full cutoff, zero candela intensity at an angle of ninety degrees above nadir; and

wherein each full cutoff luminary is coupled to a support such that the plurality of illumination assemblies, when placed in the predetermined locations, also achieves full cutoff.

- 2. The lighting system of claim 1 wherein the outdoor playing field comprises a football field.
- The lighting system of claim 1 wherein the illumination assemblies comprise a plurality of luminaries.

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- 4. The lighting system of claim 1 wherein a first luminary is mounted behind a second luminary as a single luminary assembly.
- 5. The lighting system of claim 1 wherein each luminary is mounted at a height of at least 40 feet.

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6. A method of reducing light pollution in an outdoor environment and for facilitating compliance with local lighting ordinances, comprising:

removing all non-full cutoff luminaries that once lit a playing field from the playing field; and then

mounting at least one full cutoff luminary about the playing field, the full cutoff luminary comprising

a lamp housing that encloses a lamp, the lamp housing having an open end,

a lamp lens mounted upon the open end of the lamp housing, a reflector disposed between the lap and the lamp housing, and a light-blocking shield coupled about the open end of the lamp

- 7. The method of claim 6 further comprising turning on a full cutoff luminary.
- 8. The method of claim 6 further comprising the act of automatically registering with a local government to show compliance with a local light ordinance via a computing machine.
- 9. The method of claim 8 further comprising the act of automatically canvassing a local community to educate the residents that that installation of full cutoff lighting will dramatically reduce spill light.

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housing.

- 10. An illumination assembly for illuminating a large outdoor playing field with zero candela intensity at an angle of ninety degrees above nadir, comprising:
 - a support-receiving portion;
 - a full cutoff luminary coupled to the support;
 - the full cutoff luminary comprising
- a lamp housing that encloses a lamp, the lamp housing having an open end,
 - a lamp lens mounted upon the open end of the lamp housing,
 - a reflector disposed between the lap and the lamp housing, and
 - a light-blocking shield coupled about the open end of the lamp

housing; and

wherein each full cutoff luminary is coupled to the support in a way that the illumination assembly itself achieves full cutoff.

- 12. The illumination assembly of claim 14 wherein the luminary comprises a lamp having a main candle power distribution in about the sixty-degree plane.
- 13. The illumination assembly of claim 15 wherein the luminary does not emit light above the eighty-five degree plane.
- 14. The illumination assembly of claim 15 wherein the luminary maintains a main beam intensity in the sixty-degree plane.
- 15. The illumination assembly of claim 15 wherein the luminary is coupled to the support at an angle above the horizontal plane.
- 16. The illumination assembly of claim 14 further comprising a second luminary coupled to the support.

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17. The illumination assembly of claim 10 wherein the illumination assembly comprises a plurality of luminaries.